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| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b>                |  | Attorney Docket No. <b>01-474</b>                          |  |
|  |  | First Inventor or Application Identifier <b>ABE et al.</b> |  |
|  |  | Title <b>DIODE AND PRODUCING METHOD THEREOF</b>            |  |
| (Only for new nonprovisional applications under 37 C.F.R. § 1.53(b)) |  | Express Mail Label No. _____                               |  |

|   |  |
|---|--|
| <b>APPLICATION ELEMENTS</b><br>See MPEP chapter 600 concerning utility patent application contents. | <b>ADDRESS TO:</b> Commissioner for Patents<br>Mail Stop Patent Application<br>Alexandria, VA 22313-1450 |
|---|--|

|   |   |
|---|---|
| <p>1. <input checked="" type="checkbox"/> * Fee Transmittal Form (e.g., PTO/SB/17)<br/>(Submit an original and a duplicate for fee processing)</p> <p>2. <input checked="" type="checkbox"/> Specification [Total Pages <b>73</b>]</p> <p style="margin-left: 20px;">-Descriptive title of the Invention</p> <p style="margin-left: 20px;">-Cross Reference to Related Applications</p> <p style="margin-left: 20px;">-Background of the Invention</p> <p style="margin-left: 20px;">-Summary of the Invention</p> <p style="margin-left: 20px;">-Brief Description of the Drawings</p> <p style="margin-left: 20px;">-Detailed Description of the Preferred Embodiment</p> <p style="margin-left: 20px;">-Claims</p> <p style="margin-left: 20px;">-Abstract of the Disclosure</p> <p>3. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <b>21</b>]</p> <p>4. Oath or Declaration [Total Sheets <b>3</b>]</p> <p style="margin-left: 20px;">a. <input checked="" type="checkbox"/> Newly executed (original or copy)</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. § 1.63 (d))<br/>(for continuation/divisional with Box 16 completed)</p> <p style="margin-left: 40px;">i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br/>Signed statement attached deleting<br/>inventor(s) named in the prior application,<br/>see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"><small>*NOTE FOR ITEMS 1 &amp; 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY<br/>FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT<br/>IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28)</small></div> | <p>5. <input type="checkbox"/> Microfiche Computer Program (Appendix)</p> <p>6. Nucleotide and/or Amino Acid Sequence Submission<br/>(if applicable, all necessary)</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> Computer Readable Copy</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> Paper Copy (identical to computer copy)</p> <p style="margin-left: 20px;">c. <input type="checkbox"/> Statement verifying identity of above copies</p><br><b>ACCOMPANYING APPLICATION PARTS</b> <p>7. <input checked="" type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))</p> <p>8. <input type="checkbox"/> 37 C.F.R. § 3.73(b) Statement<br/>(when there is an assignee) <input type="checkbox"/> Power of Attorney</p> <p>9. <input type="checkbox"/> English Translation Document (if applicable)</p> <p>10. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations</p> <p>11. <input type="checkbox"/> Preliminary Amendment</p> <p>12. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br/>(should be specifically itemized)</p> <p style="margin-left: 20px;">*Small Entity Statement(s) <input type="checkbox"/> Statement filed in prior application,<br/>(PTO/SB/09-12) Status still proper and desired</p> <p>13. <input type="checkbox"/> Certified Copy of Priority Document(s)<br/>(if foreign priority is claimed)</p> <p>14. <input checked="" type="checkbox"/> Other: _____</p> <p>15. <input type="checkbox"/> Other: _____</p> |
|---|---|


16. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_\_\_\_\_

Prior application information: Examiner: \_\_\_\_\_ Group/Art Unit: \_\_\_\_\_

**For CONTINUATION or DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

  
**17. CORRESPONDENCE ADDRESS**  

|   |  |  |  |   |  |
|---|--|--|--|---|--|
| <input checked="" type="checkbox"/> Customer Number or Bar Code Label |  | <br>(Insert Customer No. or Attach bar code label here) |  | <input type="checkbox"/> Correspondence address below |  |
| <b>23400</b>  |  |  |  |   |  |
| PATENT TRADEMARK OFFICE   |  |  |  |   |  |
| Name _____  |  |  |  |   |  |
| Address _____   |  |  |  |   |  |
| City _____  |  | State _____  |  | Zip Code _____  |  |
| Country _____   |  | Telephone <b>(703) 707-9110</b>  |  | Fax <b>(703) 707-9112</b>                             |  |

|                   |   |                                   |               |
|-------------------|---|-----------------------------------|---------------|
| Name (Print/type) | DAVID G. POSZ   | Registration No. (Attorney/Agent) | 37,701        |
| Signature         |  | Date                              | July 28, 2003 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Arlington, VA 22202. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Alexandria, VA 22313-1450.

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**FEE TRANSMITTAL  
for FY 2003**

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT (\$)**2176****Complete if Known**

|                      |                      |
|----------------------|----------------------|
| Application Number   |                      |
| Filing Date          | <b>July 28, 2003</b> |
| First Named Inventor | <b>ABE et al.</b>    |
| Examiner Name        |                      |
| Group/Art Unit       |                      |
| Attorney Docket No.  | <b>01-474</b>        |

**METHOD OF PAYMENT (check one)**1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:Deposit  
Account  
Number**50-1147**Deposit  
Account  
Name**POSZ & BETHARDS, PLC**☒ Charge Any Additional Fee Required  
Under 37 CFR 1.16 and 1.172. ☒ Payment Enclosed:☒ Check ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity<br>Fee Code | Large Entity<br>Fee (\$) | Small Entity<br>Fee Code | Small Entity<br>Fee (\$) | Fee Description        | Fee Paid   |
|--------------------------|--------------------------|--------------------------|--------------------------|------------------------|------------|
| 1001                     | 750                      | 2001                     | 375                      | Utility filing fee     | <b>750</b> |
| 1002                     | 330                      | 2002                     | 165                      | Design filing fee      |            |
| 1003                     | 520                      | 2003                     | 260                      | Plant filing fee       |            |
| 1004                     | 750                      | 2004                     | 375                      | Reissue filing fee     |            |
| 1005                     | 160                      | 2005                     | 80                       | Provisional filing fee |            |

SUBTOTAL (1) (\$)**750****2. EXTRA CLAIM FEES**

| Total Claims       | Extra Claims | Fee from Below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 69                 | -20**= 49    | x 18           | = 882    |
| 9                  | -3**= 6      | x 84           | = 504    |
| Multiple Dependent |              |                |          |

\*\*or number previously paid, if greater; For Reissues, see below

| Large Entity<br>Fee Code | Large Entity<br>Fee (\$) | Small Entity<br>Fee Code | Small Entity<br>Fee (\$) | Fee Description   | Fee Paid |
|--------------------------|--------------------------|--------------------------|--------------------------|---|----------|
| 1202                     | 18                       | 2202                     | 9                        | Claims in excess of 20                                    |          |
| 1201                     | 84                       | 2201                     | 42                       | Independent claims in excess of 3                         |          |
| 1203                     | 280                      | 2203                     | 140                      | Multiple dependent claim, if not paid                     |          |
| 1204                     | 84                       | 2204                     | 42                       | **Reissue independent claims over original patent         |          |
| 1205                     | 18                       | 2205                     | 9                        | **Reissue claims in excess of 20 and over original patent |          |

SUBTOTAL (2) (\$)**1386****FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large Entity<br>Fee Code | Large Entity<br>Fee (\$) | Small Entity<br>Fee Code | Small Entity<br>Fee (\$) | Fee Description  | Fee Paid  |
|--------------------------|--------------------------|--------------------------|--------------------------|--|-----------|
| 1051                     | 130                      | 2051                     | 65                       | Surcharge - late filing fee or oath  |           |
| 1052                     | 50                       | 2052                     | 25                       | Surcharge - late provisional filing fee or cover sheet                     |           |
| 1053                     | 130                      | 1053                     | 130                      | Non-English specification  |           |
| 1812                     | 2,520                    | 1812                     | 2,520                    | For filing a request for reexamination                                     |           |
| 1804                     | 920*                     | 1804                     | 920*                     | Requesting publication of SIR prior to Examiner action                     |           |
| 1805                     | 1,840*                   | 1805                     | 1,840*                   | Requesting publication of SIR after Examiner action                        |           |
| 1251                     | 110                      | 2251                     | 55                       | Extension for reply within first month                                     |           |
| 1252                     | 410                      | 2252                     | 205                      | Extension for reply within second month                                    |           |
| 1253                     | 930                      | 2253                     | 460                      | Extension for reply within third month                                     |           |
| 1254                     | 1450                     | 2254                     | 725                      | Extension for reply within fourth month                                    |           |
| 1255                     | 1970                     | 2255                     | 985                      | Extension for reply within fifth month                                     |           |
| 1401                     | 320                      | 2401                     | 160                      | Notice of Appeal   |           |
| 1402                     | 320                      | 2402                     | 160                      | Filing a brief in support of an appeal                                     |           |
| 1403                     | 280                      | 2403                     | 140                      | Request for oral hearing   |           |
| 1451                     | 1,510                    | 1451                     | 1,510                    | Petition to institute a public use proceeding                              |           |
| 1452                     | 110                      | 2452                     | 55                       | Petition to revive - unavoidable   |           |
| 1453                     | 1,300                    | 2453                     | 650                      | Petition to revive - unintentional   |           |
| 1501                     | 1300                     | 2501                     | 650                      | Utility issue fee (or reissue)   |           |
| 1502                     | 470                      | 2502                     | 235                      | Design issue fee   |           |
| 1503                     | 630                      | 2503                     | 315                      | Plant issue fee  |           |
| 1460                     | 130                      | 1460                     | 130                      | Petitions to the Commissioner  |           |
| 1807                     | 50                       | 1807                     | 50                       | Petitions related to provisional applications                              |           |
| 1806                     | 180                      | 1806                     | 180                      | Submission of information Disclosure Stmt                                  |           |
| 8021                     | 40                       | 8021                     | 40                       | Recording each patent assignment per property (times number of properties) | <b>40</b> |
| 1809                     | 750                      | 2809                     | 375                      | Filing a submission after final rejection (37 CFR § 1.129(a))              |           |
| 1810                     | 750                      | 2810                     | 375                      | For each additional invention to be examined (37 CFR § 1.129(b))           |           |

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)**40****SUBMITTED BY**

Name (Print/Type)

**DAVID G. POSZ**Registration No.  
(Attorney/Agent)**37,701****Complete (if applicable)**

Telephone

**(703) 707-9110**

Signature

Date

**July 28, 2003****WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Arlington, VA 22202.  
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